INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2006/311575

COPY SUBMITTED IN IDS

A. CLASSIFICATION OF SUBJECT MATTER C12N15/09(2006.01)i, A61K39/395(2006.01)i, A61P31/00(2006.01)i, C07K16/00 (2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) C12N15/09, A61K39/395, A61P31/00, C07K16/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) BIOSIS/WPI (DIALOG) , JSTPlus (JDream2)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/79494 A1 (Chugai Pharmaceutical Co., Ltd.), 25 October, 2001 (25.10.01), Full text	1-13
	(Family: none)	
Y	WO 02/33073 A1 (Chugai Pharmaceutical Co., Ltd.), 25 April, 2002 (25.04.02), Full text & EP 1327681 A1	1-13
Y	Hudson P. J. et al., High avidity scFv multimers; diabodies and triabodies, J. Immunol. Methods, 1999, Vol.231, No.1-2, p.177-89	1-13

×	Further documents are listed in the continuation of Box C.		See patent family annex.	
* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	*T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" "L"	date		document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
"O"	cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
		&	document member of the same patent family	
Date of the actual completion of the international search 13 September, 2006 (13.09.06)		Date	e of mailing of the international search report 26 September, 2006 (26.09.06)	
Name and mailing address of the ISA/ Japanese Patent Office		Aut	horized officer	
Production Ma		Telephone No.		

Form PCT/ISA/210 (second sheet) (April 2005)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.				
Y	Ewert S. et al., Structure-based improvement of the biophysical properties of immunoglobulin VH domains with a generalizable approach, Biochemistry, 2003, Vol.42, No.6, p.1517-28	1-13				
Y	VH domains with a generalizable approach, Biochemistry, 2003, Vol.42, No.6, p.1517-28 Arndt M. A. et al., Generation of a highly stable, internalizing anti-CD22 single-chain Fv fragment for targeting non-Hodgkin's lymphoma, Int. J. Cancer, 2003, Vol.107, No.5, p.822-9	1-13				

Form PCT/ISA/210 (continuation of second sheet) (April 2005)

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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
1. Claim	al search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: is Nos.: se they relate to subject matter not required to be searched by this Authority, namely:
becau	is Nos.: se they relate to parts of the international application that do not comply with the prescribed requirements to such an that no meaningful international search can be carried out, specifically:
	is Nos.: se they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
The "space of the sc $(Fv)_2$ and the	nal Searching Authority found multiple inventions in this international application, as follows: pecial technical feature" of claim 1 resides in a method for stabilizing comprising introducing a site-directed mutation into the sc(Fv) ₂ , "special technical feature" of claim 10 resides in sc(Fv) ₂ having alue of 55°C or higher.
Since these ir technic	it does not appear that there is a technical relationship between eventions involving one or more of the same or corresponding special al features, these inventions are not considered to be so linked as a single general inventive concept.
1. As all claim	required additional search fees were timely paid by the applicant, this international search report covers all searchable s.
	searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of iditional fee.
3. As on	ly some of the required additional search fees were timely paid by the applicant, this international search report covers hose claims for which fees were paid, specifically claims Nos.:
	quired additional search fees were timely paid by the applicant. Consequently, this international search report is sted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Pr	The additional search fees were accompanied by the applicant's protest and, where applicable, payment of a protest fee
	The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
<u> </u>	No protest accompanied the payment of additional search fees.
Form PCT/ISA	/210 (continuation of first sheet (2)) (April 2005)